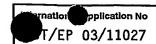
INTERMATIONAL SEARCH REPORT



A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12N15/09 C12N15/11 C12P21/00

C12N15/85

C12N15/90

C12N5/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 C12N A01K C12P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

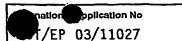
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BIOSIS, MEDLINE

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
X	ESPERET CORINNE ET AL: "Non-erythroid genes inserted on either side of human HS-40 impair the activation of its natural alpha-globin gene targets without being themselves preferentially activated." JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 275, no. 33, 18 August 2000 (2000-08-18), pages 25831-25839, XP002225659 ISSN: 0021-9258 page 25835, column 1, last paragraph -page 25836, column 2, paragraph 1 -/	1-3, 5-12,16, 17	

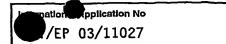
X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents: A* document defining the general state of the art which is not considered to be of particular relevance E* earlier document but published on or after the International filling date L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O* document referring to an oral disclosure, use, exhibition or other means P* document published prior to the international filling date but later than the priority date claimed	 "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the Invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to Involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
5 March 2004	15/03/2004
Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Aslund, J

INTERNATIONAL SEARCH REPORT



		T/EP 03/11027		
C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
X	TRINH K R ET AL: "Site-specific and directional gene replacement mediated by Cre recombinase" JOURNAL OF IMMUNOLOGICAL METHODS, ELSEVIER SCIENCE PUBLISHERS B.V., AMSTERDAM, NL, vol. 244, no. 1-2, 20 October 2000 (2000-10-20), pages 185-193, XP004218458 ISSN: 0022-1759 cited in the application page 193	11,12,17		
X	KARREMAN S ET AL: "ON THE USE OF DOUBLE FLP RECOGNITION TARGETS (FRTS) IN THE LTR OF RETROVIRUSES FOR THE CONSTRUCTION OF HIGH PRODUCER CELL LINES" NUCLEIC ACIDS RESEARCH, OXFORD UNIVERSITY PRESS, SURREY, GB, vol. 24, no. 9, 1 May 1996 (1996-05-01), pages 1616-1624, XP000616161 ISSN: 0305-1048 cited in the application the whole document	12,17		
X	WO 00 63410 A (EINSTEIN COLL MED ;LEBOULCH PHILIPPE (US); MASSACHUSETTS INST TECH) 26 October 2000 (2000-10-26) the whole document	11		
A	WO 02 08409 A (OW DAVID W ;US OF AMERICA AS REPRESENTED B (US)) 31 January 2002 (2002-01-31) figure 1; examples 1,2	1-17		
A	FENG Y-Q ET AL: "SITE-SPECIFIC CHROMOSOMAL INTEGRATION IN MAMMALIAN CELLS: HIGHLY EFFICIENT CRE RECOMBINASE-MEDIATED CASSETTE EXCHANGE" JOURNAL OF MOLECULAR BIOLOGY, LONDON, GB, vol. 292, no. 4, 1999, pages 779-785, XP000929622 ISSN: 0022-2836 cited in the application page 784; figure 1A -& WO 00 63410 A (EINSTEIN COLL MED; LEBOULCH PHILIPPE (US); MASSACHUSETTS INST TECH) 26 October 2000 (2000-10-26) figure 4C	1-17		
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	/EP 03/1102/					
C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT						
Category °	Citation of document, with indication, where appropriate, of the relevant passages	}	Relevant to claim No.			
	FUSSENEGGER M ET AL: "Genetic optimization of recombinant glycoprotein production by mammalian cells" TRENDS IN BIOTECHNOLOGY, ELSEVIER, AMSTERDAM, NL, vol. 17, no. 1, January 1999 (1999-01), pages 35-42, XP004155532 ISSN: 0167-7799 cited in the application page 36, column 2					

INTERNATIONAL SEARCH REPORT

formation on patent family members

nation	application No
T/EP	03/11027

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 0063410	A	26-10-2000	US AU WO	6534314 B1 4343300 A 0063410 A1	18-03-2003 02-11-2000 26-10-2000
WO 0208409	Α	31-01-2002	AU BR CA CN EP JP WO US	7707601 A 0112633 A 2416701 A1 1455817 T 1309709 A2 2004504055 T 0208409 A2 2002123145 A1	05-02-2002 16-09-2003 31-01-2002 12-11-2003 14-05-2003 12-02-2004 31-01-2002 05-09-2002